

SIEMENS

ARCADIS Varic

SP

Planning Guide

System

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English

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Chapter	Page	Revision
all	all	01

Document revision level

The document corresponds to the version/revision level effective at the time of system delivery.

Revisions to hardcopy documentation are not automatically distributed.

Please contact your local Siemens office to order current revision levels.

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General Notes

- With distribution of these revision level, all preceding planning guides, Speed Infos (PGs) and drafts lose their validity.
- All layouts issued by the Planning Departments must bear a note referring to the installation and delivery conditions of Siemens Medical Engineering. The installation and delivery conditions must be submitted with the layouts.
- Unless otherwise specified, all dimensions are indicated in "mm".



- The symbol indicates a change (see revision status).



- Orientation points
Points specific to system components to which reference is made when positioning system components to each other or in the room.
The isocenter of a radiographic system is always illustrated as the orientation point.

- Fixpoints
Clearly marked points on system components, installation ceiling, walls or floor on which cable outlets are located.
Illustration in the drawings: octagon with letter/number-combination.
The cable lengths specify the maximum fixpoint distances and thus the maximum distances between the individual system components.

- Room height
The room height is the distance measured from the top surface of the floor to the bottom surface of the ceiling structural elements (Unistrut rails) (bottom surface of drop ceiling).

- Room lighting
According to DIN 68 68-57 (international standard in preparation), the lighting in rooms in which image playback devices (monitors) are used for diagnosis, the following requirements must be met:

adjustable, no anti-glare screen, reproducible adjustment of the lighting (e.g. dimmer with scale),

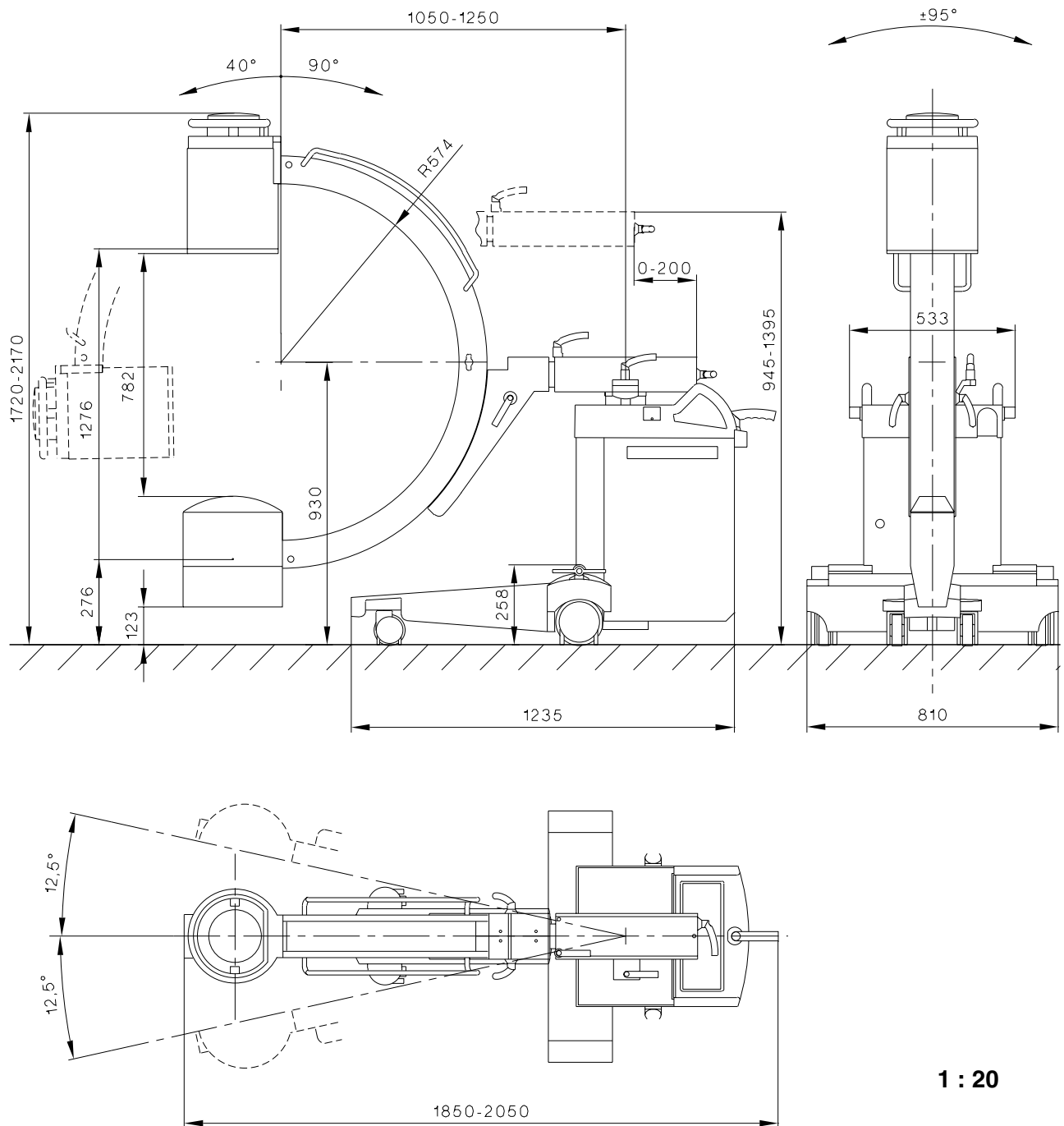
no glare or reflection from windows, lights and light boxes in the standard working position of the monitors.

Hotline + 49 (9191) 18 - 8080

Safety

- The provisions of the relevant fire safety regulations must be observed for the premises.
- The system has been developed according to EN 60601 - 1.
- Minimum dimensions (e.g. room heights, safety distances) indicated in the planning guides are marked "min."
- Basic strength against electromagnetic sources of interference.
Result of lightning discharges.
The protection targets of the different lightning protection areas up to the unit connection are also specified in the IEC 1024, DIN 48810, VDE 0675 and in the DEMVT recommendations.

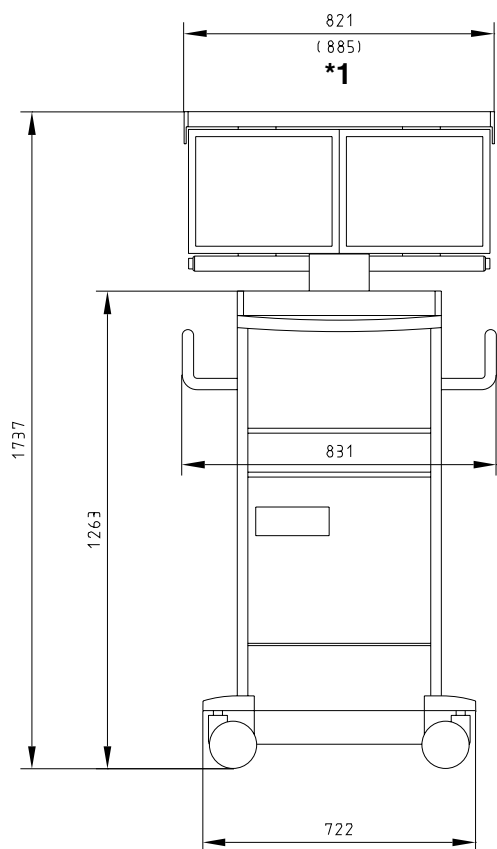
ARCADIS Varic



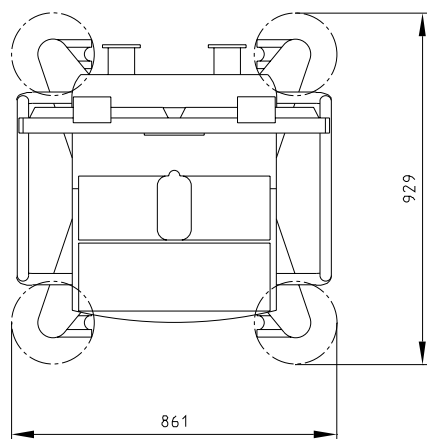
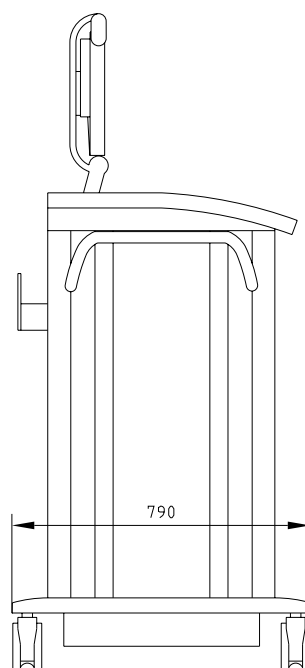
1 : 20

Horizontal travel: 200 mm
 Vertical travel: 450 mm
 Angulation: $190^\circ (\pm 95^\circ)$
 Orbital pivot range: $+40^\circ / -90^\circ$
 Horizontal pivot range: $\pm 12.5^\circ$

Monitor Trolley Dimensions



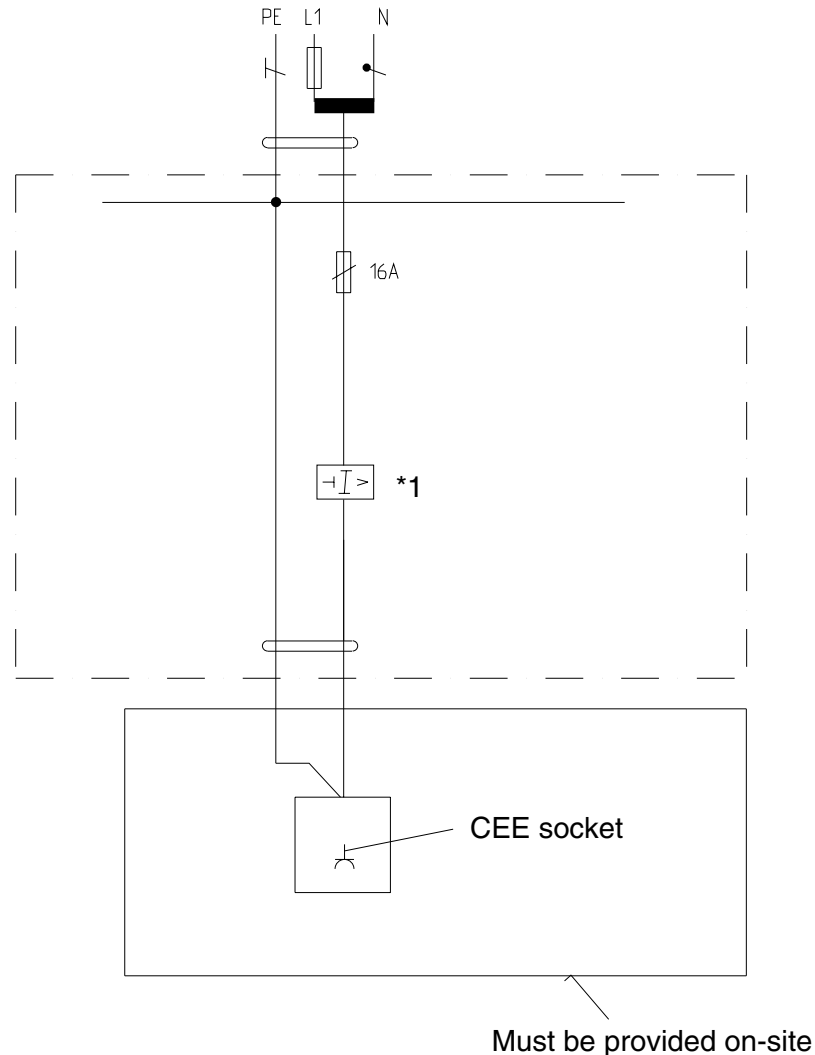
*1 Option black/white Display



1 : 20

On-site Electrical Installation

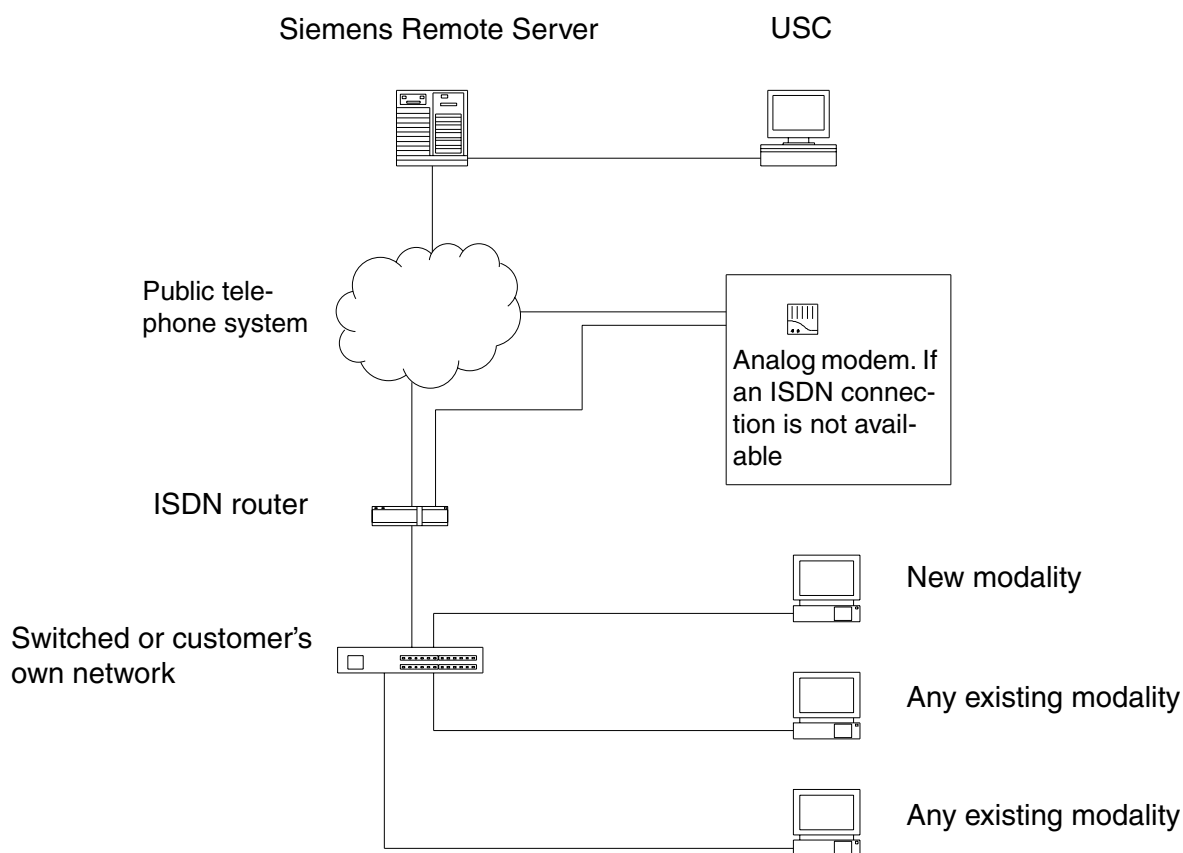
Recommendation for On-site Power Distributor per DIN VDE 0100-710 or National Regulations



*1 FI switch $I_{dN} = 30 \text{ mA}$ leakage current from AC voltage or DC/pulsed DC voltage

On-site Requirements for SRS

If networking of the ARCADIS Varic is not planned, a remote connection, e.g. in the storage room or equipment room, should be provided.

SIEMENS Remote Services™ (SRS)

Remote diagnostics and "Pro-active Event Management" require remote LAN access to our systems. A router is required for this, which we provide to our customers at no charge during the warranty period and beyond that period if a service contract is concluded.

The router remains the property of Siemens AG. The required telephone connection (preferably ISDN) and the power supply must be provided on site. Even if several Siemens systems are connected to the same data net, only a single central router is required.

Of course, we observe the confidentiality of patient data in the framework of remote diagnostics and have provided security against access to it. Further information on the topic of data security can be found in the system-specific publications.

NOTE

For detailed information about SIEMENS Remote Services™ (SRS) see PG TDIT-000.891.01... (http://www-td.med.siemens.de/rootcollection/Med_TD/Product_Information/PG/general)

NOTE

For the on-site requirements for SRS, see Page 3-1.

Network

The image system is equipped with a network card for Fast Ethernet (100 Base T).

DICOM

For detailed information about DICOM, see PG TDIT-000.891.02...
(http://www-td.med.siemens.de/rootcollection/Med_TD/Product_Information/PG/general).

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Electrical Data

Power supply	Internal Line Resistance	Power Consumption	Fuses, Internal
100/110/120/127/200/230/ 240 V, $\pm 10\%$ 50/60 Hz, ± 1 Hz	≤ 0.30 Ohm 100/110/120/127 V ≤ 0.80 Ohm 200/230/240 V	Short-term: 2.9 kVA Long-term: 1.65 kVA	15 A slow-blow from 200 V 20 A slow-blow up to 127 V

Weight and Heat Dissipation

	Weight [kg]	Heat Dissipation [W]
ARCADIS Varic	approx. 236	approx. 500
Monitor trolley	approx. 180	approx. 150

Environmental Conditions

	Operation	Transport	Storage
Permissible ambient temperature	+ 15° C ... + 37° C	- 20° C ... + 37° C	- 20° C ... + 37° C
Permissible relative air humidity	15% ... 75%	15% ... 75%	15% ... 75%
Permissible air pressure	700 hPa ... 1060 hPa	700 hPa ... 1060 hPa	700 hPa ... 1060 hPa

Packing and Transport Routes

Largest crate	L 2430 x W 960 x H 1550 mm
Heaviest single part	approx. 500 kg, overseas packaging approx. 380 kg (with pallet)
Min. door opening for transport (without packaging)	min. 940 mm door width

Paint Colors

Main color	Medical White C610
Combination color	Medium Basic C701; Medical Blue C750
For data regarding spray cans and paint sticks, see the Project Manager Handbook (PMH), chapter 1	

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